

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A non-aqueous electrolyte secondary cell comprising:
a cathode ~~containing a compound expressed by a general formula $A_xM_yPO_4$~~
(~~wherein A represents an alkali metal and M represents a transition element, which are contained~~
~~in ranges: $0 < x \leq 2$ and $1 \leq y \leq 2$~~) wherein said cathode comprises $Li_xFe_yPO_4$ and wherein $0 < x \leq 2$ and $1 \leq y \leq 2$;
an anode ~~containing~~ wherein said anode comprises sintered carbon material
prepared by sintering a carbon a material capable of doping/dedoping lithium; and
a non-aqueous electrolyte solution.
2. (cancelled)
3. (cancelled)
4. (currently amended) A non-aqueous electrolyte secondary cell comprising:
a cathode ~~containing a compound expressed by a general formula $A_xM_yPO_4$~~
(~~wherein A represents an alkali metal and M represents a transition element, which are contained~~
~~in ranges: $0 \leq x \leq 2$ and $1 \leq y \leq 2$~~), wherein said cathode comprises $Li_xFe_yPO_4$, wherein $0 \leq x \leq 2$
and $1 \leq y \leq 2$, and wherein said cathode is a molded body comprising an active material and a
conductive agent;
an anode capable of doping/dedoping lithium, wherein said anode is a molded
body comprising a material selected from the group consisting of an active material, a
conductive agent, and mixtures thereof; and
a non-aqueous electrolyte solution, ~~wherein,~~
~~the cathode is a molded body made from an active material, conductive agent and/or~~
~~binder; and~~
~~the anode is a molded body made from an active material and/or conductive agent alone.~~

5. (currently amended) The non-aqueous electrolyte secondary cell ~~as claimed in of~~ Claim 4, wherein ~~the said~~ active material comprising $\text{Li}_x\text{Fe}_y\text{PO}_4$, wherein $0 \leq x \leq 2$ and $1 \leq y \leq 2$, constituting the cathode contains $\text{A}_x\text{M}_y\text{PO}_4$ having and wherein said $\text{Li}_x\text{Fe}_y\text{PO}_4$ has a particle diameter not greater than 10 micrometers.

6. (currently amended) The non-aqueous electrolyte secondary cell ~~as claimed in of~~ Claim 4, wherein ~~the anode~~ said anode comprises ~~uses~~ at least one material selected from the group consisting of carbon powder, a material capable of forming an alloy with lithium, and a material capable of forming a compound with lithium.

7. (new) The non-aqueous electrolyte secondary cell of Claim 1, wherein said active material comprises $\text{Li}_x\text{Fe}_y\text{PO}_4$, wherein $0 \leq x \leq 2$ and $1 \leq y \leq 2$, and wherein said $\text{Li}_x\text{Fe}_y\text{PO}_4$ has a particle diameter not greater than 10 micrometers.

8. (new) The non-aqueous electrolyte secondary cell of Claim 7, wherein said particle diameter is not greater than 1 micrometer.

9. (new) The non-aqueous electrolyte secondary cell of Claim 5, wherein said particle diameter is not greater than 1 micrometer.

10. (new) The non-aqueous electrolyte secondary cell of Claim 1, wherein said active material comprises $\text{Li}_x\text{Fe}_y\text{PO}_4$, wherein $0 \leq x \leq 2$ and $1 \leq y \leq 2$, and wherein said $\text{Li}_x\text{Fe}_y\text{PO}_4$ has an average particle diameter not greater than 10 micrometers.

11. (new) The non-aqueous electrolyte secondary cell of Claim 10, wherein said average particle diameter is not greater than 1 micrometer.

12. (new) The non-aqueous electrolyte secondary cell of Claim 4, said active material comprising $\text{Li}_x\text{Fe}_y\text{PO}_4$ wherein $0 \leq x \leq 2$ and $1 \leq y \leq 2$, and wherein said $\text{Li}_x\text{Fe}_y\text{PO}_4$ has an average particle diameter not greater than 10 micrometers.

13. (new) The non-aqueous electrolyte secondary cell of Claim 12, wherein said average particle diameter is not greater than 1 micrometer.

14. (new) The non-aqueous electrolyte secondary cell of Claim 1, wherein said carbon material is selected from the group consisting of non-graphitizable carbon, graphitizable carbon, graphite, and mixtures thereof.

15. (new) The non-aqueous electrolyte secondary cell of Claim 1, wherein said non-aqueous electrolyte solution comprises an electrolyte salt and a non-aqueous solvent.

16. (new) The non-aqueous electrolyte secondary cell of Claim 15, wherein said electrolyte salt is a lithium salt having ion conductivity.

17. (new) The non-aqueous electrolyte secondary cell of Claim 16, wherein said lithium salt is selected from the group consisting of LiClO_4 , LiAsF_6 , LiPF_6 , LiBF_4 , $\text{LiB}(\text{C}_6\text{H}_5)_4$, LiCl , LiBr , $\text{CH}_3\text{SO}_3\text{Li}$, $\text{N}(\text{C}_n\text{F}_{2n}\text{SO}_2)_2\text{Li}$, and mixtures thereof.

18. (new) The non-aqueous electrolyte secondary cell of Claim 15, wherein said non-aqueous solvent is selected from the group consisting of propylene carbonate, ethylene carbonate, 1,2-dimethoxyethane, 1,2-diethoxyethane, diethyl carbonate, methyl ethyl carbonate, dimethyl carbonate, γ -butyrolactone, tetrahydrofuran, 1,3-dioxolane, 4-methyl-1,3-dioxolane, diethyl ether, sulfolane, methyl sulfolane, acetonitrile, propionitrile, and mixtures thereof.

19. (new) The non-aqueous electrolyte secondary cell of Claim 4, wherein said active material comprises a carbon material selected from the group consisting of non-graphitizable carbon, graphitizable carbon, graphite, and mixtures thereof.

20. (new) The non-aqueous electrolyte secondary cell of Claim 4, wherein said conductive material is selected from the group consisting of metals, semiconductors capable of forming an alloy with lithium, semiconductors capable of forming a compound with lithium, and mixtures thereof.

21. (new) The non-aqueous electrolyte secondary cell of Claim 20, wherein said metals and said semiconductors are separately selected from the group consisting of carbon, silicon, germanium, tin, lead, and mixtures thereof.

22. (new) The non-aqueous electrolyte secondary cell of Claim 21, wherein said metals and said semiconductors are separately selected from the group consisting of SiB_4 , SiB_6 , Mg_2Si , Mg_2S , AlNi_2Si , TiSi_2 , MoSi_2 , CoSi_2 , NiSi_2 , CaSi_2 , CrSi_2 , Cu_5Si , FeSi_2 , MnSi_2 , NbSi_2 , TaSi_2 , VSi , WSi_2 , ZnSi_2 and mixtures thereof.

23. (new) The non-aqueous electrolyte secondary cell of Claim 4, wherein said non-aqueous electrolyte solution comprises an electrolyte salt and a non-aqueous solvent.

24. (new) The non-aqueous electrolyte secondary cell of Claim 23, wherein said electrolyte salt is a lithium salt having ion conductivity.

25. (new) The non-aqueous electrolyte secondary cell of Claim 24, wherein said lithium salt is selected from the group consisting of LiClO_4 , LiAsF_6 , LiPF_6 , LiBF_4 , $\text{LiB}(\text{C}_6\text{H}_5)_4$, LiCl , LiBr , $\text{CH}_3\text{SO}_3\text{Li}$, $\text{N}(\text{C}_n\text{F}_{2n}\text{SO}_2)_2\text{Li}$, and mixtures thereof.

26. (new) The non-aqueous electrolyte secondary cell of Claim 23, wherein said non-aqueous solvent is selected from the group consisting of propylene carbonate, ethylene carbonate, 1,2-dimethoxyethane, 1,2-diethoxyethane, diethyl carbonate, methyl ethyl carbonate, dimethyl carbonate, γ -butyrolactone, tetrahydrofuran, 1,3-dioxolane, 4-methyl-1,3-dioxolane, diethyl ether, sulfolane, methyl sulfolane, acetonitrile, propionitrile, and mixtures thereof.